

10/533617

Rec'd PCT/PTO 29 APR 2005

# PCT REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference  
(if desired)(12 characters maximum)**P82649PC00**

Box No. I TITLE OF INVENTION

**METHOD AND APPARATUS FOR DETERMINING EFFECTIVENESS OF SUNSCREENS AND OTHER SKIN PREPARATIONS IN SHIELDING HUMAN SKIN FROM UVA RADIATION**

Box No. II APPLICANT ☐ This person is also inventor.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**RAFT Trustees Ltd.**  
**The Leopold Muller Building**  
**Mount Vernon Hospital, Northwood**  
**Middlesex HA6 2RN**  
**United Kingdom (GB)**

Telephone No.

Facsimile No.

Teleprinter No.

Applicant's registration No. with the Office

State (that is, country) of nationality: **GB**State (that is, country) of residence: **GB**

This person is applicant for the purposes of: ☐ all designated States ☒ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**HAYWOOD, Rachel Mary**  
**c/o RAFT Trustees Ltd.**  
**The Leopold Muller Building**  
**Mount Vernon Hospital, Northwood**  
**Middlesex HA6 2RN**  
**United Kingdom (GB)**

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality: **GB**State (that is, country) of residence: **GB**

This person is applicant for the purposes of: ☐ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

☒ Further applicants and/or (further) inventors are indicated on a continuation sheet

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:

☒ agent☐ common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

**BROWN, David Leslie**  
**Haseltine Lake**  
**Imperial House**  
**15-19 Kingsway**  
**London WC2B 6UD (GB)**

Telephone No.

**+44 20 7420 0500**

Facsimile No.

**+44 20 7420 0505**

Teleprinter No.

Agent's registration No. with the Office

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent

## Continuation of Box No. III

## FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**WARDMAN, Peter**  
**c/o Gray Cancer Institute**  
**Mount Vernon Hospital, Northwood**  
**Middlesex HA6 2JR**  
**United Kingdom (GB)**

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality: **GB**

State (that is, country) of residence: **GB**

This person is applicant for the purposes of: ☐ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**SANDERS, Roy**  
**c/o RAFT Trustees Ltd.**  
**The Leopold Muller Building**  
**Mount Vernon Hospital, Northwood**  
**Middlesex HA6 2RN**  
**United Kingdom (GB)**

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality: **GB**

State (that is, country) of residence: **GB**

This person is applicant for the purposes of: ☐ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**LINGE, Claire**  
**c/o RAFT Trustees Ltd.**  
**The Leopold Muller Building**  
**Mount Vernon Hospital, Northwood**  
**Middlesex HA6 2RN**  
**United Kingdom (GB)**

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality: **GB**

State (that is, country) of residence: **GB**

This person is applicant for the purposes of: ☐ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

- ☐ applicant only  
☐ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of: ☐ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

☐ Further applicants and/or (further) inventors are indicated on another continuation sheet.

**Box No. V DESIGNATION OF STATES** Mark the applicable check-boxes below; at least one must be marked.

The following designations are hereby made under Rule 4.9(a):

**Regional Patent**

- ☒ **AP** **ARIPO Patent:** GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, specify on dotted line) .....
- ☒ **EA** **Eurasian Patent:** AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ **EP** **European Patent:** AT Austria, BE Belgium, BG Bulgaria, CH and LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, HU Hungary, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, RO Romania, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☒ **OA** **OAPI Patent:** BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line) .....

**National Patent (if other kind of protection or treatment desired, specify on dotted line):**

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> <b>AE</b> United Arab Emirates                   | <input checked="" type="checkbox"/> <b>HR</b> Croatia                                   | <input checked="" type="checkbox"/> <b>PG</b> Papua New Guinea                 |
| <input checked="" type="checkbox"/> <b>AG</b> Antigua and Barbuda                    | <input checked="" type="checkbox"/> <b>HU</b> Hungary                                   | <input checked="" type="checkbox"/> <b>OM</b> Oman                             |
| <input checked="" type="checkbox"/> <b>AL</b> Albania                                | <input checked="" type="checkbox"/> <b>ID</b> Indonesia                                 | <input checked="" type="checkbox"/> <b>PH</b> Philippines                      |
| <input checked="" type="checkbox"/> <b>AM</b> Armenia                                | <input checked="" type="checkbox"/> <b>IL</b> Israel                                    | <input checked="" type="checkbox"/> <b>PL</b> Poland                           |
| <input checked="" type="checkbox"/> <b>AT</b> Austria                                | <input checked="" type="checkbox"/> <b>IN</b> India                                     | <input checked="" type="checkbox"/> <b>PT</b> Portugal                         |
| <input checked="" type="checkbox"/> <b>AU</b> Australia                              | <input checked="" type="checkbox"/> <b>IS</b> Iceland                                   | <input checked="" type="checkbox"/> <b>RO</b> Romania                          |
| <input checked="" type="checkbox"/> <b>AZ</b> Azerbaijan                             | <input checked="" type="checkbox"/> <b>JP</b> Japan                                     | <input checked="" type="checkbox"/> <b>RU</b> Russian Federation               |
| <input checked="" type="checkbox"/> <b>BA</b> Bosnia and Herzegovina                 | <input checked="" type="checkbox"/> <b>KE</b> Kenya                                     |  |
| <input checked="" type="checkbox"/> <b>BB</b> Barbados                               | <input checked="" type="checkbox"/> <b>KG</b> Kyrgyzstan                                | <input checked="" type="checkbox"/> <b>SC</b> Seychelles                       |
| <input checked="" type="checkbox"/> <b>BG</b> Bulgaria                               | <input checked="" type="checkbox"/> <b>KP</b> Democratic People's Republic of Korea     | <input checked="" type="checkbox"/> <b>SD</b> Sudan                            |
| <input checked="" type="checkbox"/> <b>BR</b> Brazil                                 | <input checked="" type="checkbox"/> <b>KR</b> Republic of Korea                         | <input checked="" type="checkbox"/> <b>SE</b> Sweden                           |
| <input checked="" type="checkbox"/> <b>BY</b> Belarus                                | <input checked="" type="checkbox"/> <b>KZ</b> Kazakhstan                                | <input checked="" type="checkbox"/> <b>SG</b> Singapore                        |
| <input checked="" type="checkbox"/> <b>BZ</b> Belize                                 | <input checked="" type="checkbox"/> <b>LC</b> Saint Lucia                               | <input checked="" type="checkbox"/> <b>SK</b> Slovakia                         |
| <input checked="" type="checkbox"/> <b>CA</b> Canada                                 | <input checked="" type="checkbox"/> <b>LK</b> Sri Lanka                                 | <input checked="" type="checkbox"/> <b>SL</b> Sierra Leone                     |
| <input checked="" type="checkbox"/> <b>CH &amp; LI</b> Switzerland and Liechtenstein | <input checked="" type="checkbox"/> <b>LR</b> Liberia                                   | <input checked="" type="checkbox"/> <b>SY</b> Syrian Arab Republic             |
| <input checked="" type="checkbox"/> <b>CN</b> China                                  | <input checked="" type="checkbox"/> <b>LS</b> Lesotho                                   | <input checked="" type="checkbox"/> <b>TJ</b> Tajikistan                       |
| <input checked="" type="checkbox"/> <b>CO</b> Colombia                               | <input checked="" type="checkbox"/> <b>LT</b> Lithuania                                 | <input checked="" type="checkbox"/> <b>TM</b> Turkmenistan                     |
| <input checked="" type="checkbox"/> <b>CR</b> Costa Rica                             | <input checked="" type="checkbox"/> <b>LU</b> Luxembourg                                | <input checked="" type="checkbox"/> <b>TN</b> Tunisia                          |
| <input checked="" type="checkbox"/> <b>CU</b> Cuba                                   | <input checked="" type="checkbox"/> <b>LV</b> Latvia                                    | <input checked="" type="checkbox"/> <b>TR</b> Turkey                           |
| <input checked="" type="checkbox"/> <b>CZ</b> Czech Republic +Utility Model          | <input checked="" type="checkbox"/> <b>MA</b> Morocco                                   | <input checked="" type="checkbox"/> <b>TT</b> Trinidad and Tobago              |
| <input checked="" type="checkbox"/> <b>DE</b> Germany +Utility Model                 | <input checked="" type="checkbox"/> <b>MD</b> Republic of Moldova                       |  |
| <input checked="" type="checkbox"/> <b>DK</b> Denmark +Utility Model                 | <input checked="" type="checkbox"/> <b>MG</b> Madagascar                                | <input checked="" type="checkbox"/> <b>TZ</b> United Republic of Tanzania      |
| <input checked="" type="checkbox"/> <b>DM</b> Dominica                               | <input checked="" type="checkbox"/> <b>MK</b> The former Yugoslav Republic of Macedonia | <input checked="" type="checkbox"/> <b>UA</b> Ukraine                          |
| <input checked="" type="checkbox"/> <b>DZ</b> Algeria                                | <input checked="" type="checkbox"/> <b>MN</b> Mongolia                                  | <input checked="" type="checkbox"/> <b>UG</b> Uganda                           |
| <input checked="" type="checkbox"/> <b>EC</b> Ecuador                                | <input checked="" type="checkbox"/> <b>MW</b> Malawi                                    | <input checked="" type="checkbox"/> <b>US</b> United States of America         |
| <input checked="" type="checkbox"/> <b>EE</b> Estonia +Utility Model                 | <input checked="" type="checkbox"/> <b>MX</b> Mexico                                    |  |
| <input checked="" type="checkbox"/> <b>ES</b> Spain                                  | <input checked="" type="checkbox"/> <b>MZ</b> Mozambique                                | <input checked="" type="checkbox"/> <b>UZ</b> Uzbekistan                       |
| <input checked="" type="checkbox"/> <b>FI</b> Finland +Utility Model                 | <input checked="" type="checkbox"/> <b>NI</b> Nicaragua                                 | <input checked="" type="checkbox"/> <b>VC</b> Saint Vincent and the Grenadines |
| <input checked="" type="checkbox"/> <b>GB</b> United Kingdom                         | <input checked="" type="checkbox"/> <b>NO</b> Norway                                    | <input checked="" type="checkbox"/> <b>VN</b> Viet Nam                         |
| <input checked="" type="checkbox"/> <b>GD</b> Grenada                                | <input checked="" type="checkbox"/> <b>NZ</b> New Zealand                               | <input checked="" type="checkbox"/> <b>YU</b> Serbia and Montenegro            |
| <input checked="" type="checkbox"/> <b>GE</b> Georgia                                |   | <input checked="" type="checkbox"/> <b>ZA</b> South Africa                     |
| <input checked="" type="checkbox"/> <b>GH</b> Ghana                                  |   | <input checked="" type="checkbox"/> <b>ZM</b> Zambia                           |
| <input checked="" type="checkbox"/> <b>GM</b> Gambia                                 |   | <input checked="" type="checkbox"/> <b>ZW</b> Zimbabwe                         |

Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:

- ☒ **And all other states that have become bound by the PCT since Jan 2002** ☐ ☐
- ☐ ☐ ☐

**Precautionary Designation Statement:** In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

<b>Box No. VI      PRIORITY CLAIM</b>				
The priority of the following earlier application(s) is hereby claimed:				
Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country	regional application:* regional Office	international application: receiving Office
item (1) 31 October 2002	0225408.4	GB		
item (2)				
item (3)				
item (4)				
item (5)				

☐ Further priority claims are indicated in the Supplemental Box.

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) *(only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office)* identified above as:

☐ all items     
 ☒ item (1)     
 ☐ item (2)     
 ☐ item (3)     
 ☐ item (4)     
 ☐ item (5)     
 ☐ other, see Supplemental Box

\* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)): . . .

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<b>Box No. VII      INTERNATIONAL SEARCHING AUTHORITY</b>		
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):		
ISA / EPO		
Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):		
Date (day/month/year)	Number	Country (or regional Office)

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<b>Box No. VIII      DECLARATIONS</b>		
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):		Number of declarations
<input type="checkbox"/> Box No. VIII (i)	Declaration as to the identity of the inventor	:
<input type="checkbox"/> Box No. VIII (ii)	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	:
<input type="checkbox"/> Box No. VIII (iii)	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	:
<input type="checkbox"/> Box No. VIII (iv)	Declaration of inventorship (only for the purposes of the designation of the United States of America)	:
<input type="checkbox"/> Box No. VIII (v)	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	:

**Box No. IX CHECK LIST; LANGUAGE OF FILING**

This international application contains:	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of items
(a) in paper form, the following number of sheets:	1. <input type="checkbox"/> fee calculation sheet	:
request (including declaration sheets) : 5	2. <input type="checkbox"/> original separate power of attorney	:
description (excluding sequence listings and/or tables related thereto) : 25	3. <input type="checkbox"/> original general power of attorney	:
claims : 4	4. <input type="checkbox"/> copy of general power of attorney; reference number, if any: .....	:
abstract : 1	5. <input type="checkbox"/> statement explaining lack of signature	:
drawings : 3	6. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s): .....	:
<b>Sub-total number of sheets</b> : 38	7. <input type="checkbox"/> translation of international application into (language): .....	:
sequence listings :	8. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material	:
tables related thereto :	9. <input type="checkbox"/> sequence listing in computer readable form (indicate type and number of carriers)	:
(for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below)	(i) <input type="checkbox"/> copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application)	:
<b>Total number of sheets</b> : 38	(ii) <input type="checkbox"/> (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	:
(b) <input type="checkbox"/> only in computer readable form (Section 801(a)(i))	(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the sequence listings mentioned in left column:	:
(i) <input type="checkbox"/> sequence listings	10. <input type="checkbox"/> tables in computer readable form related to sequence listings (indicate type and number of carriers)	:
(ii) <input type="checkbox"/> tables related thereto	(i) <input type="checkbox"/> copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application)	:
(c) <input type="checkbox"/> also in computer readable form (Section 801(a)(ii))	(ii) <input type="checkbox"/> (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)	:
(i) <input type="checkbox"/> sequence listings	(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the tables mentioned in left column:	:
(ii) <input type="checkbox"/> tables related thereto	11. <input checked="" type="checkbox"/> other (specify): <b>P23/77</b>	:
<b>Type and number of carriers</b> (diskette, CD-ROM, CD-R or other) on which are contained the		
<input type="checkbox"/> sequence listings: .....		
<input type="checkbox"/> tables related thereto: .....		
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)		
<b>Figure of the drawings which should accompany the abstract:</b>	<b>Language of filing of the international application:</b> <b>English</b>	

**Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE**

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).



**BROWN, David Leslie**  
**Authorised Representative, for**  
**HASELTINE LAKE**

For receiving Office use only

1. Date of actual receipt of the purported international application:	2. Drawings:  <input type="checkbox"/> received:  <input type="checkbox"/> not received:
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:	
4. Date of timely receipt of the required corrections under PCT Article 11(2):	
5. International Searching Authority (if two or more are competent): ISA/	6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid.

For International Bureau use only

Date of receipt of the record copy by the International Bureau:

## NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

### INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

#### When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

#### How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

#### What documents must/may accompany the amendments?

##### Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

## NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

1. [Where originally there were 48 claims and after amendment of some claims there are 51]:  
"Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
2. [Where originally there were 15 claims and after amendment of all claims there are 11]:  
"Claims 1 to 15 replaced by amended claims 1 to 11."
3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:  
"Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or  
"Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
4. [Where various kinds of amendments are made]:  
"Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

### "Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

**It must be in the language in which the international application is to be published.**

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

### Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

### Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.